L Number	Hits	Search Text	DB	(m/ma at am
1	63		USPAT;	Time stamp
- •	"	shield) with (hollow\$3))	US-PGPUB	2003/12/09 14:21
2	23	156/345.\$.ccls. and ((liner shutter	USPAT;	2003/12/09 14:21
1	1	shield) with (hollow\$3))	US-PGPUB	2003/12/09 14:21
3	5	156/345.\$.ccls. and ((liner shutter	USPAT;	2003/12/09 14:22
	l	shield) with (hollow\$3) with (cool\$3	US-PGPUB	2003/12/03 14.22
	j	heat\$3 fluid))		1
4	25		USPAT;	2003/12/09 15:00
		shield) with (hollow\$3) with (cool\$3	US-PGPUB	
-	1.	heat\$3 fluid))		
5	14	gurary-alexander.in. elman-scott.in.	USPAT;	2003/12/09 15:09
_	343	moy-keng.in. boguslavskiy-vadim.in.	US-PGPUB	
	343	118/715-733.ccls. and ((liner shutter	USPAT;	2003/12/09 14:20
-	271	shield) with (cylinder cylindrical\$3)) 118/715-733.ccls. and ((liner shutter	US-PGPUB	10000/06/00 16:00
	1	shield) with cool\$3)	USPAT; US-PGPUB	2003/06/08 16:02
-	263	118/715-733.ccls. and ((liner shutter	USPAT;	2003/06/08 15:07
		shield) with (reactor chamber)) and	US-PGPUB	2003/08/08 13:07
		applied.as.	OD LGEOD	!
-	89	118/715-733.ccls. and ((liner shutter	USPAT;	2003/06/08 15:25
}		shield) with (reactor chamber) with	US-PGPUB	
		(annular cylindrical\$ cylinder)) and		l
	1	applied.as.	i	1
-	174	(118/715-733.ccls. and ((liner shutter	USPAT;	2003/06/08 15:25
		shield) with (reactor chamber)) and	US-PGPUB	1
		applied.as.) not (118/715-733.ccls. and		
		((liner shutter shield) with (reactor		
		chamber) with (annular cylindrical\$ cylinder)) and applied.as.)		
-	12	(US-6197121-\$ or US-6202591-\$ or	USPAT	2002/06/00 15 20
	1	US-6229116-\$ or US-6228171-\$ or	USPAT	2003/06/08 15:32
		US-6227140-\$ or US-6231732-\$ or		!
1	i	US-5951775-\$ or US-6051122-\$ or		i l
		US-6143086-\$ or US-6221221-\$ or		
		US-6264812-\$ or US-6192827-\$).did.		1
-	4	((US-6197121-\$ or US-6202591-\$ or	USPAT;	2003/06/08 15:32
	i	US-6229116-\$ or US-6228171-\$ or	US-PGPUB	1
		US-6227140-\$ or US-6231732-\$ or		
		US-5951775-\$ or US-6051122-\$ or US-6143086-\$ or US-6221221-\$ or		
	1	US-6264912-6 on US-6221221-5 Or		
		US-6264812-\$ or US-6192827-\$).did.) and		1
-	8	((US-6197121-\$ or US-6202591-\$ or	USPAT;	2002/06/02 15:20
		US-6229116-\$ or US-6228171-\$ or	US-PGPUB	2003/06/08 15:32
	!	US-6227140-\$ or US-6231732-\$ or	OS IGIOB	
		US-5951775-\$ or US-6051122-\$ or		}
1		US-6143086-\$ or US-6221221-\$ or		
		US-6264812-\$ or US-6192827-\$).did.) and		
1		coo1\$3	1	
	28 15	5788799.URPN.	USPAT	2003/06/08 15:55
1 -	15	5788799.URPN. and cool\$3	USPAT;	2003/06/08 15:46
	2	"04157162"	US-PGPUB	1 2002 /06 /00 15 55
		V413/1402	EPO; JPO;	2003/06/08 15:56
1-	35747	((liner shutter shield) with (cool\$3	DERWENT	2002/06/09 16:05
		annular cylindrical\$ cylinder))	USPAT; US-PGPUB	2003/06/08 16:05
-	6284	c23c016\$.ipc.	USPAT;	2003/06/08 16:07
		7	US-PGPUB	======
-	53026	h011021\$.ipc.	USPAT;	2003/06/08 16:07
1			US-PGPUB	
1- 1	5463	(deposit\$3 etch\$3 "cvd" layer film) same	USPAT;	2003/06/08 16:06
	i	((liner shutter shield) with (cool\$3	US-PGPUB	į
	_	annular cylindrical\$ cylinder))		
-	0	(c23c016\$.ipc. h011021\$.ipc.) and	EPO; JPO;	2003/06/08 16:06
3	İ	((liner shutter shield) with (cool\$3	DERWENT .	1
1_	ا ه	annular cylindrical cylinder)) (c23c016%.ipc. h011021%.ipc.) and	EDO. TDO	2002/06/02 16 25
1	۱	((liner shutter shield) with (cool\$3) with	EPO; JPO;	2003/06/08 16:06
		(annular cylindrical\$ cylinder))	DERWENT	
			L	L

	0	(c23c016%.ipc. h011021%.ipc.) and ((liner shutter shield) same (cool\$3) same (annular cylindrical\$ cylinder))	EPO; JPO; DERWENT	2003/06/08 16:07
-	48231	c23c016\$.ipc.	EPO; JPO; DERWENT	2003/06/08 16:07
-	742974	h011021\$.ipc.	EPO; JPO; DERWENT	2003/06/08 18:08
-	34	(c23c016%.ipc. h011021%.ipc.) and ((liner shutter shield) same (cool\$3) same	EPO; JPO; DERWENT	2003/06/08 16:07
_	0	(annular cylindrical\$ cylinder)) 20020069970.URPN. ("6111255").PN.	USPAT USPAT;	2003/06/08 16:31 2003/06/08 17:26
-	1	("6111225").PN.	US-PGPUB USPAT;	2003/06/08 17:26
-	15	h011021\$.ipc. and (reactor with "stainless	US-PGPUB EPO; JPO;	2003/06/08 17:28
-	634	steel" h011021\$.ipc. and ((multiple plural\$3) with (wafer substrate) with carrier)	DERWENT EPO; JPO;	2003/06/08 18:10
-	84	118/728.ccls. and ((multiple plural\$3) with (wafer substrate) with holder)	DERWENT USPAT; US-PGPUB	2003/06/08 18:15
-	42	118/728.ccls. and ((multiple plural\$3) with (wafer substrate) with carrier)	USPAT; US-PGPUB	2003/06/08 18:11
]-	6	118/728.ccls. and ((multiple plural\$3) with (wafer substrate) with holder) and 118/719.ccls.	USPAT; US-PGPUB	2003/06/08 18:16
-	84	((multiple plural\$3) with (wafer substrate) with holder) and 118/719.ccls.	USPAT; US-PGPUB	2003/06/08 18:16
-	24	((multiple plura1\$3) with (wafer substrate) with holder with (transfer\$4	USPAT; US-PGPUB	2003/06/08 18:17
-	35	transport\$3)) and 118/719.ccls. 118/715-733.ccls. and ((wafer substrate) with (holder) with (secur\$3 attach\$3) with	USPAT; US-PGPUB	2003/06/08 18:30
-	5	(spindle rotat\$3)) 118/715-733.ccls. and ((wafer substrate) with (carrier holder) with (attach\$3	USPAT; US-PGPUB	2003/06/09 09:05
-	330	secur\$3) with spindle) 118/715-733.ccls. and ((wafer substrate) with (carrier holder) with (attach\$3 secur\$3))	USPAT; US-PGPUB	2003/06/09 09:09
-	62	118/719.ccls. and ((wafer substrate) with (carrier holder) with (attach\$3 secur\$3))	USPAT; US-PGPUB	2003/06/09 09:09
-	2	(shield shutter liner) with (conduit groove channel) with (entire) with	USPAT; US-PGPUB	2003/12/05 16:49
-	11	(circumference perimeter) with fluid (118/\$.ccls. 156/345.\$.ccls.) and ((shield shutter liner) with (conduit groove	USPAT; US-PGPUB	2003/12/05 16:56
-	0	channel) with (circumference perimeter)) (118/\$.ccls. 156/345.\$.ccls.) and ((shield shutter liner) with (conduit groove	USPAT; US-PGPUB	2003/12/05 16:56
-	2	channel) with (entire) with fluid) (118/\$.ccls. 156/345.\$.ccls.) and ((wall) with (conduit groove channel) with	USPAT; US-PGPUB	2003/12/05 16:57
-	2	(entire) with fluid) (118/\$.ccls. 156/345.\$.ccls.) and ((side\$iwall wall) with (conduit groove	USPAT; US-PGPUB	2003/12/05 17:05
-	2	channel) with (circumference perimeter) with fluid) (118/8.ccls. 156/345.\$.ccls.) and ((side\$lwall wall) with (conduit groove	USPAT; US-PGPUB	2003/12/05 17:06
_	1	channel) with (circumference perimeter) with (cool\$3)) (118/\$.ccls.156/345.\$.ccls.) and ((USPAT;	2003/12/05 17:08
_	4	shutter liner shield) with (conduit groove channel) with (circumference perimeter) with (cool\$3)) (118/\$.ccls. 156/345.\$.ccls.) and ((US-PGPUB USPAT;	2002/12/05 17:00
	1	(circumference perimeter) with (cool\$3 fluid))	US-PGPUB	2003/12/05 17:09
•				

- ,	· 7	(118/\$.ccls. 156/345.\$.ccls.) and ((shutter liner shield) with (entire) with (cool\$3 fluid))	USPAT; US-PGPUB	2003/12/05 17:10
-	5	(118/\$.ccls. 156/345.\$.ccls.) and ((circumference perimeter) with (entire)	USPAT; US-PGPUB	2003/12/05 17:14
_	16	with (cool\$3)) (118/\$.ccls. 156/345.\$.ccls.) and ((USPAT;	2003/12/05 17:18
_	18		US-PGPUB USPAT	2003/12/05 17:17
		"4711989" "4738618" "4761538" "4937434" "5000682" "5001327" "5099442" "5258601" "5280422"		
		"5291514" "5436172" "5517594" "5555725" "5661669" "5782227").PN.		
-	1	(c23c016\$.ipc.) and ((cool\$3) with (channel groove conduit) with entire with (uniform even))	EPO; JPO; DERWENT	2003/12/05 17:20
-	2	(c23c016\$.ipc.) and ((cool\$3) with (channel groove conduit) with (uniform even))	EPO; JPO; DERWENT	2003/12/05 17:20
-	1	(c23c016\$.ipc.) and ((cool\$3) with (channel groove conduit) with	EPO; JPO; DERWENT	2003/12/05 17:21
-	0	(circumference perimeter)) (c23c016\$.ipc.) and ((temperature with fluid) with (channel groove conduit) with	EPO; JPO; DERWENT	2003/12/05 17:22
-	449	(circumference perimeter)) ((cool\$3) with (channel groove conduit) with (circumference perimeter))	EPO; JPO; DERWENT	2003/12/05 17:22
-	58	((cool\$3) with (channel groove conduit) with (circumference perimeter) with (liner	EPO; JPO; DERWENT	2003/12/05 17:35
_	29	wall side\$1wall shield shutter)) ((cool\$3) with (entire) with (circumference perimeter) with (liner wall	EPO; JPO; DERWENT	2003/12/05 17:41
-	24	side\$1wall shield shutter)) (((cool\$3) with (entire) with (circumference perimeter) with (liner wall	EPO; JPO; DERWENT	2003/12/08 16:05
		side\$1wall shield shutter))) not (((cool\$3) with (channel groove conduit)	DERWISHT	1
-	107	with (circumference perimeter) with (liner wall side\$1wall shield shutter))) ((cool\$3) with (entire) with	USPAT;	2003/12/05 17:42
_	3	(circumference perimeter) with (liner wall side\$1wall shield shutter)) 204/298.11.ccls. and (cool\$3)	US-PGPUB EPO; JPO;	2002/12/00 16:22
-	246		DERWENT USPAT;	2003/12/08 16:33
-	49	204/298.11.ccls. and (cool\$3 with (channel groove conduit))	US-PGPUB USPAT; US-PGPUB	2003/12/08 16:49
-	4881	shield shutter liner) with (temperature thermal\$4 cool\$3 heat\$3) with (even\$3 transfer\$4)	USPAT; US-PGPUB	2003/12/08 16:50
-	1551	(shield shutter liner) with (temperature thermal\$4 cool\$3 heat\$3) with (even\$3	EPO; JPO; DERWENT	2003/12/08 16:50
-	652	transfer\$4) (shield shutter liner) with (temperature thermal\$4 cool\$3 heat\$3) with (even\$3)	EPO; JPO; DERWENT	2003/12/08 16:51
_	3	c23c016\$.ipc. and ((shield shutter liner) with (temperature thermal\$4 cool\$3 heat\$3) with (even\$3))	EPO; JPO; DERWENT	2003/12/08 16:52
-	15	(118/715-733.ccls. 156/345.\$.ccls. 204/298.\$.ccls. 118/504.ccls.) and	EPO; JPO; DERWENT	2003/12/08 16:56
		((shield shutter liner) with (temperature thermal\$4 cool\$3 heat\$3) with (even\$3 balanc\$3 equal\$4))		
-	77	(118/715-733.ccls. 156/345.\$.ccls. 204/298.\$.ccls. 118/504.ccls.) and ((shield shutter liner) with (temperature	USPAT; US-PGPUB	2003/12/08 17:42
		thermal\$4 cool\$3 heat\$3) with (even\$3 balanc\$3 equal\$4))		

8					
- 0 6432203.URPN 2 61236316" "6000227" "S740845" "5879461" "6000227" "S740845" "5879450" "5881081" "S3412").RN 231 118/715-733.ccls. and ("wafer carrier" USPAT; US-PGUB USPAT; US-PGUB USPAT US	-	8	("5336585" "5362526" "5366585"	USPAT	2003/12/08 17:14
- 0 6432203.URPN 2 61236316" "6000227" "S740845" "5879461" "6000227" "S740845" "5879450" "5881081" "S3412").RN 231 118/715-733.ccls. and ("wafer carrier" USPAT; US-PGUB USPAT; US-PGUB USPAT US	, "		"5449444" "5487822" "5518593"	1	
- 0 6432203.URPN. 0 6442950.URPN. 0 6442950.URPN. 0 6442950.URPN. 0 6442950.URPN. 0 72437414" "498102" "5482559" USPAT 2003/12/08 17:27 2740845" "5879461" "6000227" USPAT 2003/12/08 17:27 2003/12/08 17:27 2003/12/08 17:27 2003/12/08 17:27 2003/12/08 17:27 2003/12/08 17:27 2003/12/08 17:27 2003/12/08 17:27 2003/12/08 17:27 2003/12/08 17:27 2003/12/08 17:27 2003/12/08 17:27 2003/12/08 17:27 2003/12/08 17:27 2003/12/08 17:27 2003/12/08 17:27 2003/12/08 17:27 2003/12/08 17:28 2003/12/08	•			i	1
- 0 6442950.UREN. 9 ("2437414" "4981102" "5482559" USPAT 2003/12/08 17:27	l	١ ,		HCDAT	2002/12/00 17:22
- 9 ("2437414" "4981102" "5482559" USPAT 2003/12/08 17:27 "5704815" "5879461" "6000227" "6120660" "6125551" "6303212").PN	-				
- 28	-	_			
- 28 (118/715-733.cols. 156/345.%.cols. 204/298.%.cols. 118/504.cols. 11	l 	9		USPAT	2003/12/08 17:27
- 28 (118/715-733.cols. 156/345.%.cols. 204/298.%.cols. 118/504.cols. 11			"5740845" "5879461" "6000227"	1	
28					1
204/298_\$.ccls.118/504.ccls.) and ((cool33) with (coil53) wrap\$3 wind\$3) with (perimeter circumference))		1 00		manam.	1 2002 /12 /00 17 - 50
C(cool3) with (coil3 wraps3 wind\$3) with (perimeter circumference))	-	28			2003/12/08 17:58
Cherimeter circumference)				US-PGPUB	i
Cherimeter circumference)			((cool\$3) with (coil\$3 wrap\$3 wind\$3) with	1	
- 1 ("6442950").PN.				1	1
- 9 ("2437414" "4981102" "5482559" USPAT 2003/12/08 18:28 "5749845" "5879461" "6000227" USPAT 2003/12/08 18:28 18:	l _	1		HCDAT.	2003/12/00 17:50
- 9	-	1 -	(6442930).FN.		2003/12/00 17.30
- 231 "5740845" "\$879461" "6000227" "6120660" "6120551" "631212").PN. 118/715-733.ccls. and ("wafer carrier" US-PGPUB USPAT; US					
- 231	-	9		USPAT	2003/12/08 18:28
- 231			"5740845" "5879461" "6000227"	1	
231				i	
"Wafer frame" 103 118/715-733.ccls. and (("wafer carrier" USPAT; 2003/12/09 11:44 118/715-733.ccls. and (("wafer carrier" USPAT; 2003/12/09 11:44 12-FePUB 18 ("4529621" "4550047" "4653428" USPAT USPAT 2003/12/09 11:22 18 ("4529621" "4550047" "5264038" "5387447" "5520742" "5264038" "5755281" "55855918" "5755281" "58855998" "604587" "604587" "626136575" "58855998" "604587" "604587" "604183." "604183." "604183." "604183." USPAT USPAT 2003/12/09 11:25 USPAT USPAT 2003/12/09 11:25 USPAT USPAT 2003/12/09 11:26 USPAT USPAT USPAT USPAT 2003/12/09 11:26 USPAT "50404943" "5152842" "5344492" "5366002" "5376180" "5384492" "5690442" "5782970").PN. USPAT USP		222		manam.	2002/12/00 11.15
103		231	118//15-755.CCIS. and ("Waler Carrier"		2003/12/09 11:13
- 3 5759281 URPN. USPAT 2003/12/09 11:24	1	1			1
- 3 5759281 URPN. USPAT 2003/12/09 11:24	-	103		USPAT;	2003/12/09 11:44
3 5759281.URPN. "455047" "4653428" USPAT 2003/12/09 11:24 "4791651" "5186756" "5264038" USPAT 2003/12/09 11:24 "5387447" "5520742" "5624499" "5759281" "585675" "58555988" "604597" "6261638" "6001183" "604597" "6261638" "6001183" "5079450" "6001183.URPN. USPAT 2003/12/09 11:25 USPAT 2003/12/09 11:25 USPAT 2003/12/09 11:26 USPAT 2003/12/09 11:46 USPAT 2003/12/09 11:46 USPAT 2003/12/09 11:46 USPAT 2003/12/09 11:46 USPAT 2003/12/09 11:49 USPAT 2003/12/09 11:50 USPAT 2003/12/09 11:5	1			US-PGPUB	
18	I _	1 2			2003/12/09 11.22
"4791651" "5186756" "5264038" "53874477 "5520742" "5624499" "5759281" "5855675" "5855998" "5879450" "5888591" "6001183" "6004587" "6261363" "6300601").PN. 4 6001183.URPN. 4 6001183.URPN. 5004943" "5152842" "5226383" "5242501" "5343938" "5244492" "5366002" "5376180" "5384008" "5403401" "5466684" "5474642" "560742" "5782970").PN. 10 ("5246524" "5474647" "5590445" "6239038").PN. 10 ("5246524" "5474647" "5590445" "6239038").PN. 10 ("5246524" "5474647" "5590445" "6239038").PN. 11 ("6236523" "5891298" "6030485" "6239038").PN. 12 (118788 "6218727" "6238515" "6239038").PN. 13 (148788 "6218727" "6238515" "6239038").PN. 14 (11878.ccls. 1567345.\$.ccls.) and ((USPAT	1				
"5387447" "5520742" "5624499" "5759281" "5855675" "5855998" "5879450" "5888591" "6001183" "6045877" "6261363" "6300601").PN. 4 6001183.URPN. 17 ("4599069" "4903754" "4986215" "5044943" "5152242" "5226383" "5346002" "5376180" "5384008" "5403401" "53460684" "5344492" "5690742" "5782970").PN. 2 (118/\$.ccls. 156/345.\$.ccls.) and ((-	1 18		USPAT	2003/12/09 11:24
"5759281" "5855675" "5855998" "8879450" "5888591" "6001183" "6045877" "6261363" "6300601").PN. 6001183.URPN. 4 6001183.URPN. 5074943" "51522842" "4986215" USPAT 2003/12/09 11:26 "5044943" "51522842" "5226383" "5242501" "5343938" "5344492" "536002" "5376180" "5384008" "5403401" "5460684" "5474612" "58403401" "5406684" "5474612" "5690742" "5782970").PN. - 2 (1187,ccls. 1567345,s.ccls.) and ((USPAT; USPAT 2003/12/09 11:50 USPAT 2003/12/09 11:50 USPAT 2003/12/09 11:46 USPAT 2003/12/09 11:49 USPAT 2003/12/09 11:50 USPAT 2003/12/09 12:00 USPAT 2003/12/09 12:00 USPAT 2003/12/09 12:10 USPAT 2003/12/09 12:10 USPAT 2003/12/09 12:10 USPAT 2003/12/09 12:10 USPAT 2003/12				i	
- # 10			"5387447" "5520742" "5624499"		
- # 10			"5759281" "5855675" "5855998"		1
- 4 600183.URPN 4 6001183.URPN 17 ("4599069" "4903754" "4986215" USPAT 2003/12/09 11:25					
- 4 6001183.URPN. USPAT 2003/12/09 11:25 - 17 ("4599069" "4903754" "4986215" USPAT 2003/12/09 11:26 - 18	1				
- 4 6001183 JURPN. USPAT ("4599069" "4903754" "4986215" USPAT 2003/12/09 11:26 11:26					
- 17 ("4599069" "4903754" "4986215" USPAT 2003/12/09 11:26 "5044943" "5152842" "5226383" "5344492" "5366002" "5376180" "5384008" "5303401" "5460684" "5474612" "5690742" "5782970").PN.	-	4	6001183.URPN.	USPAT	2003/12/09 11:25
- 17 ("4599069" "4903754" "4986215" USPAT 2003/12/09 11:26 "5044943" "5152842" "5226383" "5344492" "5366002" "5376180" "5384008" "5303401" "5460684" "5474612" "5690742" "5782970").PN.	_	4	6001183.URPN.	USPAT	2003/12/09 11:26
"5044943" "5152842" "5226383" "534492" "5346002" "5343938" "534492" "5346002" "5376180" "5384008" "5403401" "5406084" "54074612" "5403401" "5406084" "54074612" "5406084" "54074612" "5406084" "54074612" "5406084" "54074612" "5406084" "54074612" "5406084" "54074612" "5406084" "54074612" "5406084" "54074612" "5406084" "5406084" "5406084" "5406084" "5406084" "5406084" "5406084" "54072239" "5891298" "6030485" "6239038").PN. - 10 ("5246524" "5474647" "5590445" " USPAT 2003/12/09 11:46 "5672239" "5891298" "6030485" " "6149758" "6239038").PN. - 0 (559282.URPN. "6218727" "6238515" "6239038").PN. - 14 (118/\$.ccls. 156/345.\$.ccls.) and ((USPAT; 2003/12/09 11:49 USPAT 2003/12/09 11:49 USPAT 2003/12/09 11:49 USPAT 2003/12/09 11:49 USPAT 2003/12/09 11:50 USPAT 2003/12/09 12:06 USPAT 2003/12/09 12:10 USP	l _	17			
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- 2 (118/\$.ccls. 156/345.\$.ccls.) and ((USPAT USPAT 2003/12/09 11:40 USPAT 2003/12/09 11:50 USPAT 2003/12/09 11:40 USPAT 2003/12/09 11:50 USPAT 2003/12/09 11:50 USPAT 2003/12/09 11:50 USPAT 2003/12/09 11:50 USPAT 2003/12/09 11:54 USPAT 2003/12/09 12:06 USPAT 2003/12/09 12:10 USPAT 2003/12/09 12:1					1
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